

1. Chemical Product and Company Identification

Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610/559-8620
Product Name: **POLY PLASTI-FLEX CASTING RESIN PART B**
Chemical Family: Blend of polyols and other trade secret ingredients

2. Hazardous Constituents

<u>Ingredient/CAS #</u>	<u>Exposure Limits</u>
Proprietary aryl mercury compound ($\leq 0.15\%$)	ACGIH TLV 0.1 mg/m ³ TWA OSHA PEL 0.1 mg/m ³ (Ceiling)

This product is a trade secret mixture of mostly nonhazardous ingredients. There are no other exposure limits established by OSHA or ACGIH that apply during use of this product.

3. Health Hazards

PRIMARY ROUTE(S) OF ENTRY: Skin or eye contact
EYE: May cause eye irritation.
SKIN: Exposure may cause skin irritation and/or redness.
INGESTION: Toxic by ingestion (contains $\leq 0.1\%$ of a toxic mercury compound). May cause gastrointestinal discomfort if ingested.
INHALATION: At room temp., vapors are minimal and material is not expected to be an inhalation hazard. Vapors or aerosols (e.g., generated during heating or spraying) may cause respiratory irritation.
CARCINOGENICITY: Not designated as a carcinogen by NTP, IARC, or OSHA.
CHRONIC EFFECTS: Long-term overexposure to mercury has been associated with central nervous system and kidney disorders.

4. First Aid Measures

EYE CONTACT: Flush with plenty of water (e.g., for 20 min). Seek medical attention.
SKIN CONTACT: Wipe off. Wash with soap and plenty of warm water. Seek medical attention if irritation develops.
INHALATION: Remove to fresh air. Treat symptomatically. Seek medical attention.
INGESTION: If alert, drink two glasses of water, then induce vomiting. Seek medical attention.

5. Fire Fighting Measures

FLASH POINT: 440°F (estimated)
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam, or water fog.
HAZARDOUS COMBUSTION PRODUCTS: Likely to include carbon monoxide, carbon dioxide, mercury vapor, and unidentified toxic and irritating compounds.
OTHER INFORMATION: Firefighters wear protective gear and SCBA.

6. Accidental Release Measures

Clear non-emergency personnel from the area. Contain spill to minimize environmental contamination. Absorb spilled material with absorbent such as sawdust, vermiculite, or sand. Collect and containerize spill material.

7. Handling and Storage

HANDLING: Avoid contact with eyes, skin and clothing. Avoid breathing vapor. Use in adequately ventilated area. Do not eat, drink or smoke in work area. Wash hands after handling. See also Section 8 of MSDS.
STORAGE: Store indoors at 70-90°F. Store in original container tightly closed.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust to minimize airborne concentrations.
PERSONAL PROTECTIVE EQUIPMENT: Eye protection (e.g., chemical splash goggles), and protective clothing and gloves impermeable to this material are recommended.
RESPIRATORY PROTECTION: Respiratory protection not normally needed. But, if vapors or mists are generated, or in the absence of good ventilation, use respirator equipped with organic vapor cartridges. In emergency situations, use SCBA.

9. Physical Characteristics

APPEARANCE: Off-White Liquid
ODOR: Mild odor
BOILING POINT: No data
VAPOR PRESSURE: < 1 mmHg @ 25°C
SOLUBILITY IN WATER: Negligible
SPECIFIC GRAVITY: ~ 0.75 @ 25°C

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid excessive heat.
INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Potentially carbon monoxide, organic acids, and other unidentified irritating or toxic compounds

11. Regulatory and Other Information

COMMUNITY RIGHT-TO-KNOW: This product contains the following Section 313 ingredient:

<u>Ingredient</u>	<u>CAS#</u>	<u>Weight %</u>
Mercury Compound	trade secret	≤ 0.15

DISPOSAL: Upon disposal, this product (uncured) is a characteristic RCRA hazardous waste (D009 - owing to mercury content) as defined in 40 CFR 261. Cured materials may be RCRA-regulated for mercury. Dispose of in accordance with federal, state and local regulations.
CA PROPOSITION 65: "WARNING: This product contains a chemical [traces of acrylonitrile] known to the State of California to cause cancer." "WARNING: This product contains a chemical [mercury] known to the State of California to cause birth defects or other reproductive harm."
TRANSPORT: Not a hazardous material for shipping purposes based on *United Nations Recommendations for the Transport of Dangerous Goods* and 49 CFR Part 171.
HMIS RATING: Health-2; Flammability-1; Reactivity-0; PPE- C
EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800/424-9300.
MSDS REVISION INDICATOR: First Issue.
DISCLAIMER: The information contained herein is considered accurate; however, Polytek makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.